



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

MICHAEL F. EASLEY  
GOVERNOR

LYNDO TIPPETT  
SECRETARY

MEMORANDUM TO: Project Engineers  
Project Design Engineers

FROM: G. R. Perfetti  
State Bridge Design Engineer

DATE: June 8, 2004

SUBJECT: OVERSIZED BLOCKOUT FOR UTILITIES PASSING  
THROUGH BACKWALL

Detail oversized blockouts for water or sewer utilities passing through backwalls. A blockout sized 4" larger than the utility pipe diameter is to be used with all utility lines. The annular space should be filled with joint filler as listed in the Standard Specifications Article 1028-1. Place the following note in the plans:

***Center utility in blockout and fill annular space around utility pipe with joint filler in accordance with Standard Specification Article 1028-1.***

This policy is effective with the August 2004 letting.

GRP/SD/anh

cc: E. Villalba, FHWA  
John Emerson, P.E.  
Ron Hancock, P.E.  
Allen Raynor, P.E.  
Ricky Keith, P.E.